

# Learning models and media used by lecturers at labuhanbatu al washliyah university and al bukhary school of tarbiyah science (stita) labuhanbatu north sumatra during the covid-19 pandemic and new normal

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## ABSTRACT

The research aims to describe and analyze the learning media used at two universities located in Rantauprapat City during the pandemic and New Normal, namely at Al Washliyah Labuhanbatu University and Tarbiyah Al Bukhary School of Science (STITA) Labuhanbatu, North Sumatra. This research method is a qualitative descriptive method for respondents in this study, lecturers at Al Washliyah Labuhanbatu University, and lecturers who teach at the Tarbiyah Al Bukhary College of Science (STITA) Labuhanbatu, North Sumatra. Data collection techniques in this study were carried out using questionnaires and interviews with lecturers who teach at two universities in the city of Rantauprapat. Based on data processing, it was concluded that the results of the study showed that the learning model used was Online during Covid-19 and the Blended Learning learning model, a Learning project, during the New Normal period. Teaching lecturers use learning media and remote communication media using Google Meet, Google Classroom, zoom, and WhatsApp. Based on the results of interviews with lecturers at Al Washliyah Labuhanbatu University and lecturers who teach at the Tarbiyah Al Bukhary College of Science (STITA) stated that the difficulties experienced during the pandemic and the New Normal in the learning process were internet access, lecturer skills in using media and creating media *e-learning* based.

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## INTRODUCTION

The Covid-19 pandemic that is happening in the world has brought changes to human life from all aspects. The impact of Covid-19 can have a positive impact and can have a negative impact among the negative impacts, namely the sluggish economy caused by the boundaries of social interaction (Purwatiningsih & Soelistyowati, 2021). Covid-19 has had a positive impact on the development of technology and communication in a world that is developing very rapidly and has an impact on the public in seeking information that is no longer limited to newspapers and TV, but the public is free to choose sources of information via the internet (Elyas, 2018). Information technology in the world of education is needed during a pandemic to overcome the problems of the online learning process, various kinds of media that use technology are used by teachers, lecturers, students, and students in the learning process (Samsudin & Ni Nyoman Utami, 2019). One of the most common uses of technology in learning is the use of e-learning as a learning medium. This e-learning provides convenience for teachers, including being able to explain subject matter remotely, meaning without face-to-face and present in class (Azrina & Latifah, 2020). The E-learning learning model is not a new learning model in the world of education but before Covid-19, the use of e-learning media was relatively less compared to during Covid 19 (Hamonangan Tambunan, 2010).

The problems caused during the pandemic, one of which is in the field of teacher education, are the key to solving problems in the learning process. Efforts made by teachers aim to overcome problems during the Covid 19 era and to maintain the quality of education by using media, models, and learning methods that are appropriate to the conditions and situations. The learning model is a framework used by educators to carry out learning to achieve or obtain the expected learning objectives. The learning model is an instrument that aims to develop the abilities of students including the abilities of a) constructivism; b) inquiries; c) asking; d) creating study groups; e) demonstrating something or modeling; f) reviewing the learning experiences that have been studied; g) teacher activities to collect information on the development of student's abilities (Eva Zahora, 2021).

Various kinds of learning models: a) Inquiry learning model; b) contextual learning models; c) Expository learning model; d) problem-based learning models; e) project-based learning model; f) quantum learning models; g) integrated learning model; h) multigrade learning model; i) structured task learning model; j) portfolio learning model; k) thematic learning models; l) e-learning model; m) Blended Learning learning model (Lawanto, 2000). Learning media is a tool or anything that can be used in conveying information from lecturers to students or from educators to students. The tools used can stimulate the thoughts, feelings, and attention of students so that the learning process runs actively. Various kinds of learning media are grouped as follows: a) visual media; b) audio media; c) audio-visual media (Pulungan, Ginting, & Nasution, 2020)

The role of lecturers during online lectures is required to be more creative in carrying out the learning process. The benefits of this research: a) theoretically, the research conducted is useful as a source of information for researchers, a source of information for lecturers, students, and teachers, especially in the field of education, and provides information about the media, learning models that are widely used by lecturers at universities in the City Rantauprapat. b) practically this research has benefits for researchers, namely increasing the knowledge and insight of researchers regarding models or media used during a pandemic. The problem that occurs at the University is that lecturers have difficulty selecting and using both learning models and media in the online learning process. The selection of models and media by lecturers is seen from the convenience of lecturers in operating the media, but sometimes the models or media chosen do not match the characteristics of the material being taught so online learning is less effective and passive (Rahmatya & Wicaksono, 2022)

The lack of interaction between lecturers and students in online learning is one of the problems during the learning process during the Covid-19 period, the material explained by lecturers is sometimes not conveyed properly, and this is influenced by internet networks that are less

supportive. Based on the problems above, this study aims to describe the learning models and media used and used by lecturers in the learning process during the Covid-19 pandemic and the New Normal period.

## RESEARCH METHODOLOGY

The implementation of this research was from September 1 to September 15, 2022. This study aims to describe the learning models and media used in the *Covid 19* learning process and the New Normal period. The research method used in this study is a qualitative descriptive method. This research method is a procedure with the end result in the form of descriptive data (Pudyastuti & Budiningsih, 2021). Descriptive research is research that aims to describe or explain something as it is (Kurnia, 2020). Descriptive research methods describe the characteristics of the population and events being studied (Yuningsih, 2021). The purpose of this study is to explain phenomena by collecting data that is increasingly in-depth, researched, and explored so that the data can make the research more in-depth and the quality of research results is getting better (Hartanto, 2016).

In connection with the above, this study aims to determine the learning models and media used in the learning process of Covid 19 and the New Normal period. The data obtained from the questionnaire is then processed using statistical methods which will then be described by outlining conclusions based on the results of numbers/percentages from processing using statistical methods (Daryanto, 2015). The sample for this research is 2 Universities located in Rantauprapat City which can be seen in the table 1 below:

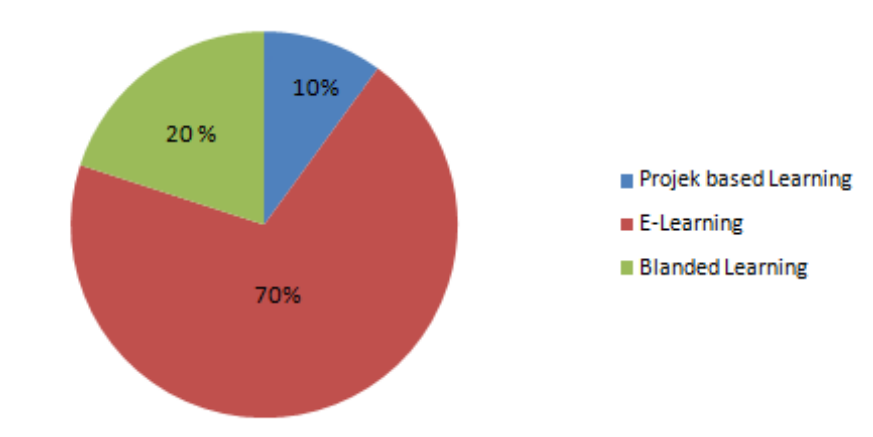
**Table 1.**  
The sample for this research

No	Universitas	category
1	Universitas Al washliyah Labuhanbatu	Private
2	Sekolah Tinggi Ilmu Tarbiyah Al Bukhary (STITA) Labuhanbatu	Private

Collection techniques used questionnaires to find out the implementation of the learning process in lectures by lecturers who taught during the pandemic, and what models and media were used by lecturers. Interviews are used to find out more in-depth things from respondents, namely information that cannot be obtained from the questionnaire instrument.

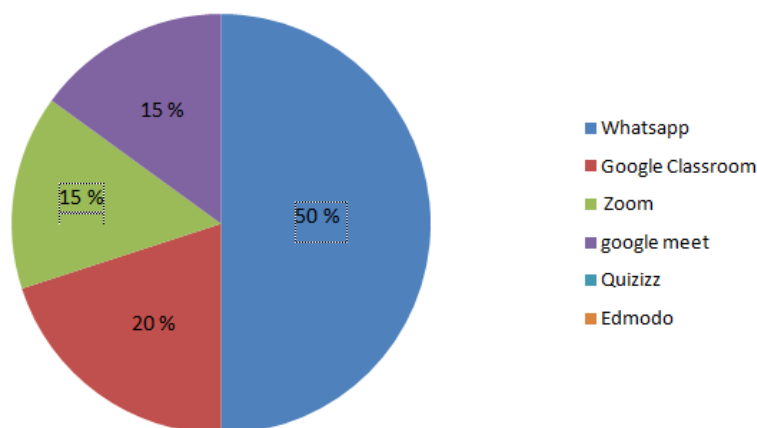
## RESULTS AND DISCUSSIONS

The results of this study were obtained from filling out a questionnaire by 50 lecturers consisting of lecturers at Al Washliyah Labuhanbatu University and lecturers at the Tarbiyah Al Bukhary School of Science (STITA) Labuhanbatu, as follows:



**Figure 1.** Percentage of Learning Models used by lecturers

The diagram above it states that during the pandemic and new normal the learning model that was widely used as E-learning, namely as much as 80%, the rest of the lecturers used the Project-based learning model at 10%, and Blended Learning as much as 20%.



**Figure 2.** Percentage of Learning Media used by lecturers

From the diagram above it can be described that during the pandemic and new normal the learning media that was widely used were Whatsapp as much as 50%, Google Classroom as much as 20%, Zoom as much as 15%, Google meet as much as 15%, Quizizz and Edmodo media were not used by lecturers to the percentage is 0%. The results of interviews conducted with 50 lecturers who taught in different study programs at Al Washliyah Labuhanbatu University and lecturers from STITA stated that during the Covid period the learning model used was E-learning based, the Blended learning model and Project learning which were widely used were based on E-learning. Lectures using an E-learning-based learning model are used due to a decision from the University which advises lecturers to use learning with an E-learning model to overcome and support government programs to break the chain of the spread of Covid-19. The learning media that is widely used is Whatsapp because WhatsApp's signal is more stable than using Google meet or zoom, using WhatsApp saves more quota compared to using zoom or Google meet. Quizizz and Edmodo-based learning media are not used by lecturers because other applications such as Google Classroom, WhatsApp Google Meet, and Zoom are already representative.

Interview data with 3 lecturers with the initials M, A, and W encountered difficulties during the pandemic during the learning process, namely; a) Lecturers also feel extravagant quota that it increases student expenses; b) students find it more difficult to understand the material, especially students in engineering study programs or study programs whose lecture processes are practical; c) the lecturer has to repeat the material because there are students who do not understand; d) lecturers spend more time creating learning media for online learning processes. As for the strengths, a) lecturers feel they have a lot of time at home with their families; b) lecturers have IT skills because during the pandemic the lecturers learned new skills in terms of technology, especially in making technology-based media.

Based on the results of filling out the questionnaire, the e-learning learning model used by lecturers is the right choice during a pandemic because e-learning has advantages; a) is a medium of communication in learning which is considered effective and efficient; b) learning can be done anywhere and anytime, students can access 24 hours of learning materials and media (Aisyah, 2019). E-learning learning is inseparable from drawbacks: a) The online learning process does not all run smoothly because the facilities include internet power by students and lecturers; b) not all lecturers and teachers have IT/technology skills in operating computers, as well as creating IT-based media; c) there is an interaction between teachers and students so that face-to-face learning is still needed. (Nawati, 2011).

## CONCLUSION

The data obtained in this study were processed using qualitative methods which would later be described descriptively. Based on the data obtained in this study, it was concluded that during the pandemic, as many as 70% of the lecturers who taught at Al Washliyah Labuhanbatu University and the lecturers who taught at the Tarbiyah Al Bukhary College of Science (STITA) used an E-learning based learning model. The use of the E-learning model in learning and teaching activities is supported by the university's policy which recommends using E-learning during the Covid-19 and New Normal times. The learning media that is widely used by lecturers is Whatsapp, which is as much as 50%. This Whatsapp media supports the learning process during the pandemic because the internet signal is more stable and communication is smoother than using zoom or other media.

The implications of this study are as follows: 1) Theoretical implications, namely: The selection of learning models and learning media that are mostly chosen by lecturers in teaching is the e-learning-based learning model and WhatsApp learning media. This selection is based on the convenience and mastery of models and media by lecturers and students. 2) Practical implications, namely: The research results are useful as input for lecturers, teachers, and prospective teachers. That as educators must master IT in welcoming and dealing with problems in the world of education so that the learning process can run smoothly and students and lecturers or teachers and students can interact properly and learning can be carried out with the expected goals.

The contribution of this research is that the research results can be used as material for consideration for both other researchers and educational institutions to establish a learning system in the new normal period and determine the right model and media and support the learning process. The results of this study are related to the learning models and media used by lecturers at two universities during the pandemic. More than that, this research is also a reference regarding learning models that are widely used by lecturers and learning media used during a pandemic to support communication in the learning process

The weakness of this research is that this research only focuses on models and media used by teaching lecturers during the Covid-19 pandemic. So that the information is limited to only two aspects. Other researchers should be able to conduct research by adding observations on student learning motivation, learning methods, and learning approaches so that further research is complete.

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## References

- Aisyah. (2019). Jurnal basicedu. *Jurnal Basicedu*, 3(2), 524–532.
- Azrina, N., & Latifah, S. (2020). Analisis Media Pembelajaran Berbasis E-Learning di Masa Pandemi Covid-19 pada Guru SD/MI di Jember. *AKSELERASI: Jurnal Pendidikan Guru MI*, 1(2), 81–93. <https://doi.org/10.35719/akselerasi.vii2.76>
- Daryanto. (2015). *Evaluasi Pendidikan*. Jakarta: PT Rineka Cipta.
- Elyas, A. H. (2018). Penggunaan Model Pembelajaran E-Learning dalam Meningkatkan Kualitas Pembelajaran. *Jurnal Warta*, 56(April), 1–11.
- Eva Zahora, S. (2021). Enggunaan E-Learning Untuk Meningkatkan Minat Dan Hasil Belajar Biologi Materi Sistem Saraf Siswa Kelas Xi Ipa 2 Sma “Xyz. *Journal of Innovation Research and Knowledge*, 1(3), 297–304.
- Hamonangan Tambunan. (2010). Model Pembelajaran Berbasis E-Learning Suatu Tawaran Pembelajaran Masa Kini dan Masa yang Akan Datang. *Jurnal Generasi Kampus*, 3(2), 1–24.
- Hartanto, W. (2016). Penggunaan E-Learning sebagai Media Pembelajaran. *Jurnal Pendidikan Ekonomi*, 10(1), 1–18.
- Kurnia, D. (2020). Penerimaan dan Penggunaan E-Learning pada Masa Pandemi Covid-19: Aplikasi Model UTAUT2. *JKTP: Jurnal Kajian Teknologi Pendidikan*, 3(4), 435–447. <https://doi.org/10.17977/umo38v3i42020p435>
- Lawanto, O. (2000). Pembelajaran Berbasis Web Sebagai Metoda Komplemen Kegiatan Pendidikan dan Pelatihan. *Unitas*, 9(1), 44–58.
- Nawati, D. Y. (2011). *LINGKUNGAN PENDIDIKAN DAN AKTIVITAS BELAJAR YANG MENDUKUNG PRESTASI BELAJAR SISWA (studi di SMA Negeri 1 bawang banjarnegara)*. 1–105. Retrieved from <http://lib.unnes.ac.id/id/eprint/2699>
- Pudyastuti, A. T., & Budiningsih, C. A. (2021). Efektivitas Pembelajaran E-Learning pada Guru PAUD Selama Pandemic Covid-19. *Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini*, 5(2), 1667–1675. <https://doi.org/10.31004/obsesi.v5i2.873>
- Pulungan, R., Ginting, L. S. D. br., & Nasution, A. S. (2020). Kelebihan Dan Kekurangan E-Learning Berdasarkan Pengalaman Mahasiswa Umn Al Washliyah. *Membangun Kearifan Lokal Melalui Inovasi Menuju Masa Depan Kreatif*, 504–507.
- Purwatiningsih, S. D., & Soelistyowati, D. (2021). Pembelajaran Online sebagai Solusi Belajar di Masa Pandemi COVID-19. *Warta ISKI*, 4(1), 51–59. <https://doi.org/10.25008/wartaiski.v4i1.110>
- Rahmatya, M. D., & Wicaksono, M. F. (2022). E-learning Daarul Adab sebagai Media Pendukung Pembelajaran di Masa Pandemi Covid-19. *Jurnal Teknologi Dan Informasi*, 12(1), 16–29. <https://doi.org/10.34010/jati.v12i1.6039>
- Samsudin, M., & Ni Nyoman Utami, J. (2019). Pengembangan Pembelajaran E-learning Dengan Moodle (Modulator Object-Oriented Dynamic Learning Environment). *Jurnal Sistem Dan Informatika (JSI)*, 14(1), 1–8. <https://doi.org/10.30864/jsi.v14i1.210>
- Yuningsih, Y. (2021). Implementasi e-learning di Masa Pandemi Covid-19: Studi Kasus pada Latsar CPNS di Puslatbang PKAN LAN. *Jurnal Wacana Kinerja: Kajian Praktis-Akademis Kinerja Dan Administrasi Pelayanan Publik*, 24(1), 111. <https://doi.org/10.31845/jwk.v24i1.693>